

IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A battery comprising:

a cathode;

an anode; and

an electrolyte,

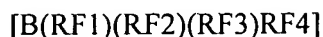
wherein,

said cathode contains an active material capable of inserting and extracting lithium,

said anode comprises an anode current collector and an active material layer that is a thin silicon film formed by at least one method from the group consisting of gas phase method, liquid phase method and sinter method, said methods effectively inhibiting the destruction by expansion or shrinkage of the anode active material layer and forming an alloy between at least part of the interface between the active material layer and the anode current collector; and ~~made of lithium ions extracted from said cathode and deposited on a surface of said current collector as lithium metal through said electrolyte when said battery is charged and said lithium metal is eluted from said anode active material layer as lithium ions and inserted in said cathode through the electrolytic solution such that said active material layer is dissolved from said surface during battery discharge and~~

the electrolyte contains anions expressed by Chemical formula 1.

Chemical formula 1



(In Chemical formula 1, each of RF1, RF2, RF3, and RF4 represents a perfluoro alkyl group, of the general formula C_nF_{2n+1} , where $1 \leq n \leq 12$).

2. (Cancelled)

3. (Original) A battery according to claim 1,

wherein the anode contains at least one from the group consisting of a carbon material; a simple substance, alloys, and compounds of silicon (Si); and a simple substance, alloys, and compounds of tin (Sn).

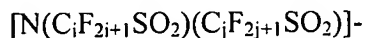
4. (Cancelled)

5. (Previously Presented) A battery according to claim 1, wherein a moisture content in the electrolyte is 100 ppm or less at a mass ratio in relation to the electrolyte.

6. (Original) A battery according to claim 1, wherein the electrolyte contains other anions in addition to the foregoing anions.

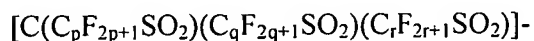
7. (Original) A battery according to claim 6, wherein the electrolyte contains at least one from the group consisting of PF_6^- , BF_4^- , ClO_4^- , ASF_6^- anions expressed by Chemical formula 2, and anions expressed by Chemical formula 3 as the other anions.

Chemical formula 2



(In Chemical formula 2, i and j are integer numbers of 1 or more.)

Chemical formula 3



(In Chemical formula 3, p, q, and r are integer numbers of 1 or more.)

8. (Original) A battery according to claim 7, wherein the electrolyte contains of PF_6^- and at least one from the group consisting of BF_4^- , ClO_4^- , ASF_6^- , anions expressed by Chemical formula 2, and anions expressed by Chemical formula 3 as the other anions.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)